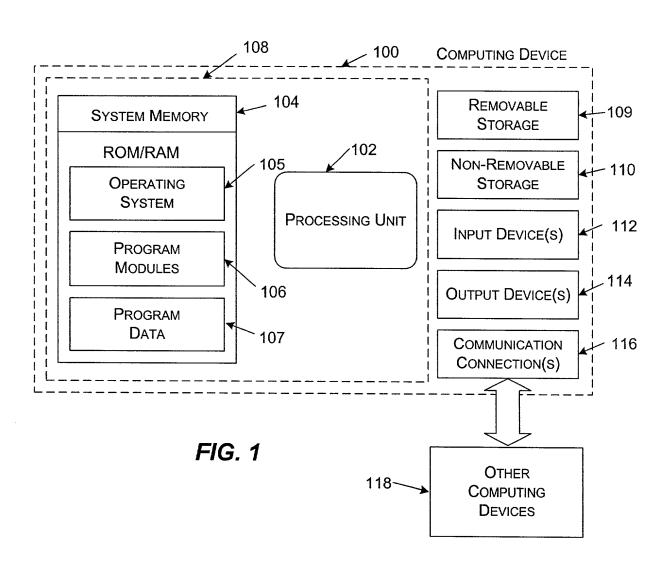
Attorney Name. John S Jardine Phone No 206 342 6253 Sheet 1 of 9

1/9



11

Hall Bridge

Inventor. Institut M. Chilmon Docket No.: 50037.60US01 Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A PROGRAM IN A SOFTWARE DEVELOPMENT TOOL Attorney Name John S. Jardine Phone No. 206 342.6253 Sheet 2 of 9

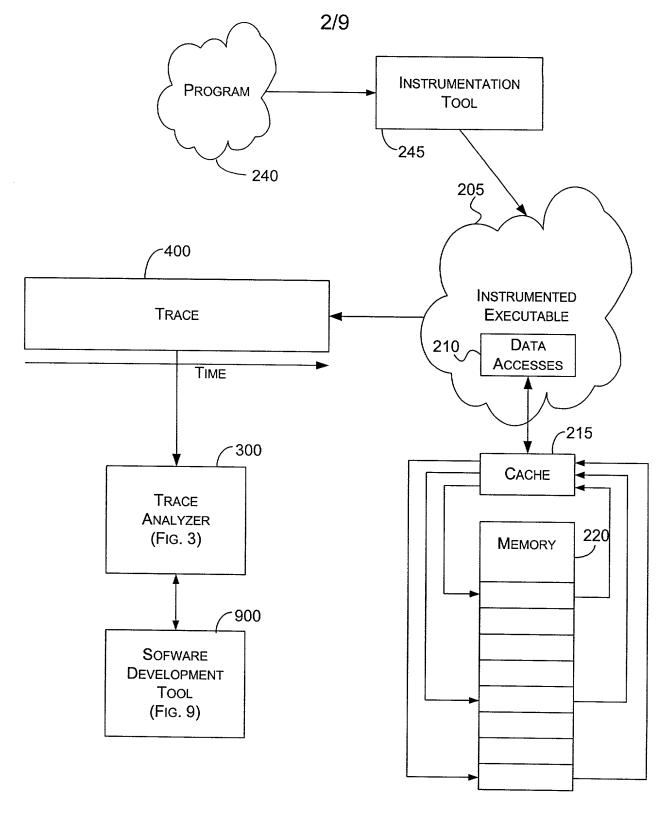
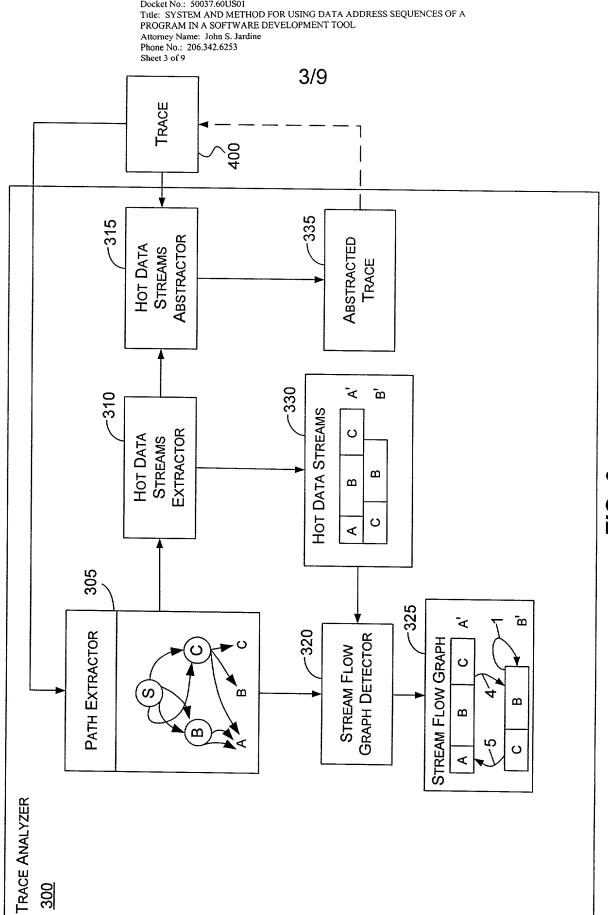


FIG. 2

Inventor: Trishul M. Chilimbi Docket No.: 50037.60US01



Institut M. Chilimbi Docket No. 50037 60US01 Title SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A PROGRAM IN A SOFTWARE DEVELOPMENT TOOL Attorney Name. John S. Jardine Phone No.. 206 342 6253 Sheet 4 of 9

4/9

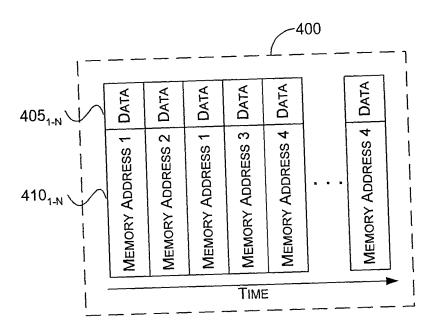


FIG. 4

Docket No.: 50037.60US01
Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A PROGRAM IN A SOFTWARE DEVELOPMENT TOOL

Attorney Name John S. Jardine Phone No: 206.342 6253

Sheet 5 of 9

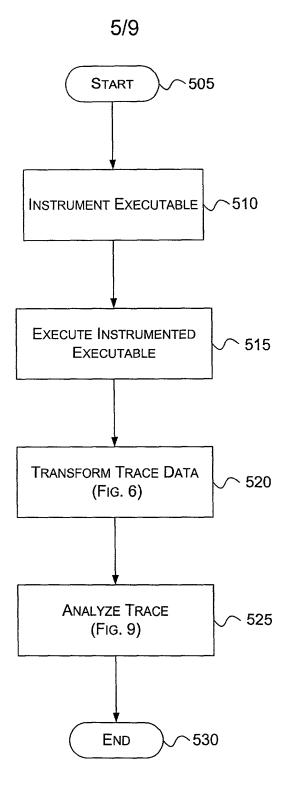


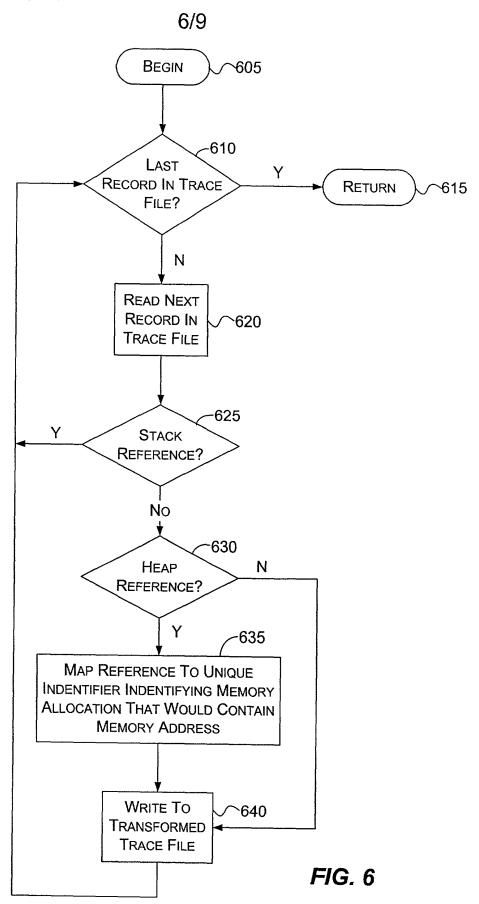
FIG. 5

Inventor: Trishul M. Chilimbi Docket No.: 50037.60US01

Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A

PROGRAM IN A SOFTWARE DEVELOPMENT TOOL

Attorney Name John S Jardine Phone No.: 206.342.6253 Sheet 6 of 9



Inventor: Trishul M. Chilimbi

Docket No $^\circ$ 50037.60US01 Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A PROGRAM IN A SOFTWARE DEVELOPMENT TOOL

Attorney Name: John S. Jardine Phone No. 206,342 6253 Sheet 7 of 9



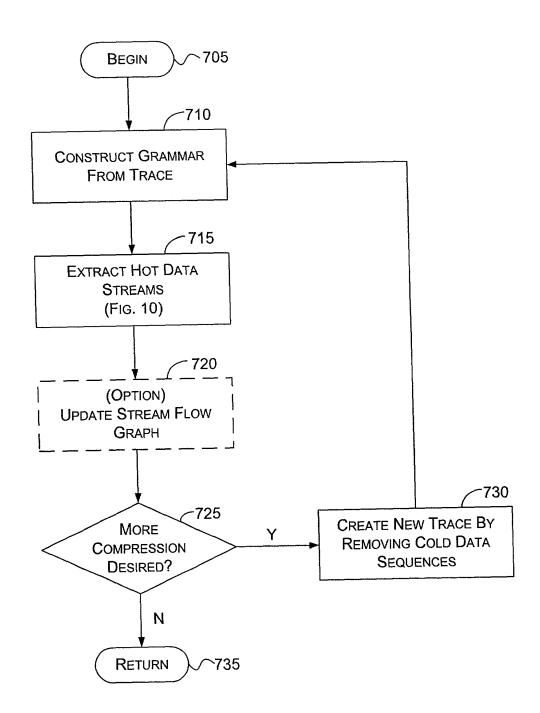


FIG. 7

Inventor: Trishul M. Chilimbi Docket No.: 50037.60US01

Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A

PROGRAM IN A SOFTWARE DEVELOPMENT TOOL

Attorney Name John S Jardine Phone No. 206 342.6253

Sheet 8 of 9

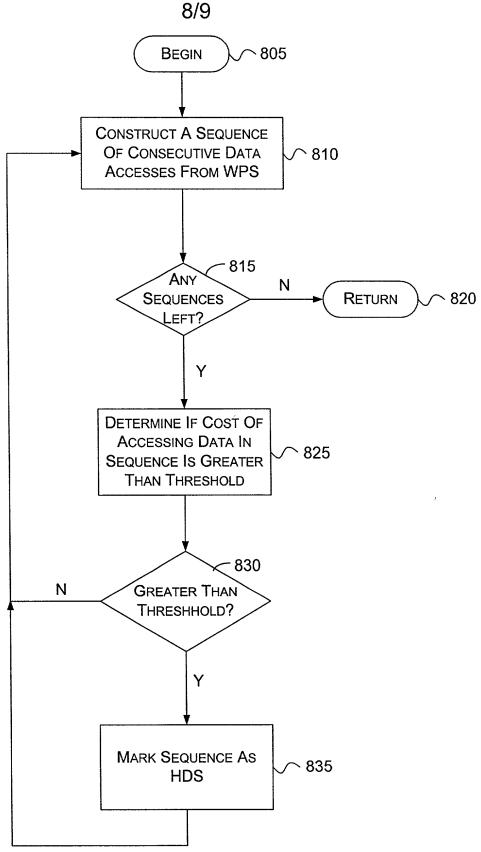


FIG. 8

900

 905^{-}

H:\DEMO\TEST\INTEGRATE.

100 100

🗏 DAEDALUS: DRILI HOT DATA STREAMS

578:

38:

4

Docket No.: 50037.60US01 Title: SYSTEM AND METHOD FOR USING DATA ADDRESS SEQUENCES OF A PROGRAM IN A SOFTWARE DEVELOPMENT TOOL Attorney Name John S Jardine Phone No. 206.342.6253 Sheet 9 of 9 9/9 \triangleright ` FPRINTF(STDERR, "STEPSIZE UNDERFLOW IN RUNGE_KUTTA\N"); RETURN FALSE; HTEMP = SAFETY * H * POW(ERRMAX, PSHRNK); H = 9 H > 0.0 ? DMAX(HTEMP, 0.1 * H) : DMIN(HTEMP, 0.1 * H)); XNEW = (*X) + H; RUNGE KUTTA_STEP(W, *X, H YTEMP1, ERR); ERRMAX = 0.0; FOR (I = 0; I < 4; I++) ERRMAX = DMAX(ERRMAX, FABS (ERR[I] / YSCAL[1])); F(ERRMAX > ERRCON)—
*HNEXT = SAFETY * H * POW(ERRMAX, PGROW); ERRMAX, H, HTEMP, XNEW F (ERRMAX < 1.0 **FEMP1** ERRMAX /= EPS; *HNEXT = 5.0 * H (+= (*HDID = H) (XNEW ++ *X H = HTRY; FOR (;;) BREAK; INT I; DOUBLE NEXT PREV STEP INTO BACK INTO ٥ D VALUE 5216952 NON-HEAP OBJ 5198128 ► HOT DATA STREAM 35 : NON-HEAP OBJ 5216952 NON-HEAP OBJ 5217048 NON-HEAP OBJ 5216960 NON-HEAP OBJ 5217064 NON-HEAP OBJ 5217064 NON-HEAP OBJ 5198376 NON-HEAP OBJ 5217064 NON-HEAP OBJ 5217064 NON-HEAP OBJ 5217072 NON-HEAP OBJ 5217056 ► HOT DATA STREAM 33 ► HOT DATA STREAM 37 ▶ HOT DATA STREAM 38 ▶ HOT DATA STREAM 36 ► HOT DATA STREAM 34 HOT STREAM INFORMATION SPATIAL REGULARITY/SIZE CACHE PACKING RATIO 32 CACHE PACKING RATIO 64 TEMPORAL REGULARITY

UNIQUE OBJECTS 931~FREQUENCY ADDRESS PROPERTY → HEAT 938 133: 133: 133: 133: 133: 133: 33: 33: 133: 133: 133:

930

937.

133: 789:

91:

915

917